



PTO/SB/17 (01-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$180.00)

Complete if Known

Application Number	09/851,576
Filing Date	05/10/2001
First Named Inventor	Yao-Ching Su
Examiner Name	MACCHIAROLO, PETER J.
Art Unit	2875
Attorney Docket No.	ADTP0033USA

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number: 50-0801
Deposit Account Name: North America International Patent Office

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims: -20** = X =
Independent Claims: -3** = X =
Multiple Dependent Claims: = \$0.00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 84	2201 42	Independent claims in excess of 3	
1203 280	2203 140	Multiple dependent claim, if not paid	
1204 84	2204 42	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$0.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180.00
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$180.00)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Winston Hsu	Registration No. (Attorney/Agent)	41,526	Telephone	886289237350
Signature	<i>Winston Hsu</i>	Date	5/18/2003		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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2875-B

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/851,576
Filing Date	05/10/2001
First Named Inventor	Yao-Ching Su
Group Art Unit	2875
Examiner Name	MACCHIAROLO, PETER J.
Attorney Docket Number	ADTP0033USA

Total Number of Pages in This Submission **21**

ENCLOSURES (check all that apply)

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form
<input type="checkbox"/> Fee Attached
<input type="checkbox"/> Amendment / Reply
<input type="checkbox"/> After Final
<input type="checkbox"/> Affidavits/declaration(s)
<input type="checkbox"/> Extension of Time Request
<input type="checkbox"/> Express Abandonment Request
<input checked="" type="checkbox"/> Information Disclosure Statement
<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)
<input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers
<input type="checkbox"/> Petition
<input type="checkbox"/> Petition to Convert to a Provisional Application
<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address
<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Request for Refund
<input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Status Letter
<input type="checkbox"/> Other Enclosure(s) (please identify below): |
| <div>Remarks</div> | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm
or
Individual name

Winston Hsu, Reg. No.: 41,526

Signature

Winston Hsu

Date

4/18/2003

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

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Signature

Date

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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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2-25-04

Applicants: Yao-Ching Su, Yih-Jer Lin
Examiner: MACCHIAROLO, PETER J.
Filing Date: 05/10/2001 Art Unit: 2875
App. No.: 09/851,576 Docket No.: ADTP0033USA

10

Title: ELECTRODE STRUCTURE OF A PLASMA DISPLAY PANEL

To: Commissioner for Patents
P.O. BOX 1450
15 Alexandria, VA 22313-1450

Subject:

1. Information disclosure statement under 37 CFR §1.56.
- 20 2. Petition to request consideration of the information disclosure statement.

Dear Sir:

Match and Return

25 This is an Information Disclosure Statement in accordance with the duty to disclose information material to patentability under 37 CFR §1.56. The applicant wishes to make of record the document listed on the accompanying form PTO/SB/08. It is respectfully
30 requested that the examiner initials the cited reference on the form and that it be made of record in the application and that a copy of the initialed

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form be sent to the applicant with the next communication from the examiner.

Since the IDS is filed after the issue of the final
5 Office action, a petition to request consideration of
the information disclosure statement is hereby
requested according to 37 CFR §1.97(e)(1). The prior
art patent contained in the information disclosure
statement was cited in communications from the Chinese
10 Intellectual Property Office on Sep. 12, 2003 for a
counterpart foreign application. Since this IDS is
being submitted within three months of the date in which
this prior art patent was first cited, the applicant
sincerely hopes that the examiner can consider the item
15 contained in this IDS.

According to the requirement set forth in 37 CFR
§1.98 and MPEP 609 (Rev.1, Feb. 2000), the applicant
is submitting a copy of Chinese patent document CN
20 publication No. 1269570A (published Oct. 11, 2000),
Japanese patent documents JP publication No. 11-297214
(published Oct. 29, 1999) and JP publication No.
2000-123750A (published Apr. 28, 2000), US patent No.
6,031,329 (filed Mar. 27, 1998), and a concise
25 explanation of the relevance to this application
hereinafter. For convenience, claim 1 of the present
application is appended at the end of this response.

Fig. 4 of CN 1269570A appears to be the most relevant
30 drawing, and shows a plasma display panel with a first
auxiliary electrode 20 positioned in a first gap between
a first sustaining electrode 14 and a second sustaining

electrode 13. Since the first auxiliary electrode 20 disclosed in CN 1269570A is not electrically connected to the first sustaining electrode 14, and does not comprise a second part located above the first sustaining electrode 14, the claimed invention of the present application is significantly different from the teachings in CN 1269570A.

JP 11-297214 discloses a plasma display panel. As shown in Fig. 2 of JP 11-297214, the plasma display panel comprises a discharge gap 21 positioned between two sustaining electrodes 2. The plasma display panel further comprises an auxiliary electrode 3, and a portion of the auxiliary electrode 3 is located above the sustaining electrode 2. Since JP 11-297214 never teaches that the auxiliary electrode 3 can be formed in the discharge gap 21, it is believed to be significantly different from the claimed invention of the present application.

JP 2000-123750A discloses a plasma display panel. As shown in Fig. 3 of JP 2000-123750A, the plasma display panel comprises a plurality of ribs 40 formed on a back substrate. The ribs 40 are parallel to each other and perpendicular to the first auxiliary electrode 70. The plasma display panel further comprises a first sustaining electrode 61 and a second sustaining electrode 62. The first auxiliary electrode 70 is positioned in a first gap between the first sustaining electrode 61 and the second sustaining electrode 62. However, the first auxiliary electrode 70 is not electrically connected to the first sustaining

electrode 61. The first auxiliary electrode 70 does not comprise a second part located above the first sustaining electrode 61, either. Therefore, the claimed invention of the present application is significantly different from the teachings in JP 2000-123750A.

US 6,031,329 is one the prior arts cited in Office action dated 04/15/2003 and has been considered by the Examiner.

Present application claim 1 (which was amended in response to Office action dated 04/15/2003):

1. (amended) An electrode structure of a plasma display panel (PDP), the electrode structure formed on a front substrate of the PDP, and comprising:

a first sustaining electrode and a second sustaining electrode set on the surface of the front substrate, and a first gap existing between the first and second sustaining electrodes; and

a first auxiliary electrode electrically connected to the first sustaining electrode, the first auxiliary electrode comprising a first part and a second part in contact with the first part, the first part formed in the first gap, and the second part located above the first sustaining electrode;

wherein a second gap existing between the first part of the first auxiliary electrode and the second sustaining electrode is used as a discharge gap of the electrode structure of the PDP, and the width of the second gap is smaller than the width of the first gap.

Respectfully Submitted,

5 Winston Hsu Date: 4/18/2023

Winston Hsu, Patent Agent No.41,526

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U.S.A.

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